

(12) DEMANDE INTERNATIONALE PUBLIÉE EN VERTU DU TRAITÉ DE COOPÉRATION  
EN MATIÈRE DE BREVETS (PCT)

(19) Organisation Mondiale de la Propriété  
Intellectuelle  
Bureau international



(43) Date de la publication internationale  
10 avril 2003 (10.04.2003)

PCT

(10) Numéro de publication internationale  
**WO 03/028685 A1**

(51) Classification internationale des brevets<sup>2</sup> : **A61K 7/13**

(81) États désignés (*national*) : AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EL, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(21) Numéro de la demande internationale :

PCT/FR02/03252

(22) Date de dépôt international :

24 septembre 2002 (24.09.2002)

(25) Langue de dépôt :

français

(26) Langue de publication :

français

(30) Données relatives à la priorité :

01/12525 28 septembre 2001 (28.09.2001) FR

(71) Déposant (*pour tous les États désignés sauf US*) :  
L'OREAL [FR/FR]; 14, rue Royale, 75008 Paris (FR).

(72) Inventeurs; et

(75) Inventeurs/Déposants (*pour US seulement*) : PASTORE, Florent [FR/FR]; 13, rue de la Mélomnière, 92520 Rueil Malmaison (FR). GOURLAOUEN, Luc [FR/FR]; 3, rue Jean-Jacques Rousseau, 92600 Asnière (FR). LA GRANGE, Alain [FR/FR]; 5, rue de Montry, 77700 Coupvray (FR).

(74) Mandataire : L'HOSTE, Catherine; L'OREAL - D.I.P.I., 6 rue Bertrand Sincholle, 92585 Clichy (FR).

(84) États désignés (*régional*) : brevet ARIPO (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), brevet eurasien (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), brevet européen (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), brevet OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Publiée :

- avec rapport de recherche internationale
- avant l'expiration du délai prévu pour la modification des revendications, sera republiée si des modifications sont reçues

En ce qui concerne les codes à deux lettres et autres abréviations, se référer aux "Notes explicatives relatives aux codes et abréviations" figurant au début de chaque numéro ordinaire de la Gazette du PCT.

WO 03/028685 A1

(54) Title: DYEING COMPOSITION WITH A BRIGHTENING EFFECT FOR HUMAN KERATINOUS FIBRES

(54) Titre : COMPOSITION DE TEINTURE A EFFET ECLAIRCISSANT POUR FIBRES KERATINIQUES HUMAINES

(57) Abstract: The invention relates to a cosmetic dyeing composition that is used to lighten human keratinous matter and, more specifically, artificially coloured or pigmented hair and dark skin. The inventive composition comprises at least one fluorescent dye. The invention also relates to the methods using said composition.

(57) Abrégé : L'invention concerne une composition cosmétique pour colorer avec un effet éclaircissant les matières kératiniques humaines et plus particulièrement les cheveux pigmentés ou colorés artificiellement et la peau foncée, comprenant au moins un colorant fluorescent, et les procédés mettant en œuvre cette composition.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/FR 02/03252

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A61K7/13

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K A61Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

CHEM ABS Data, EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	DE 100 29 441 A (HENKEL KGAA) 3 January 2002 (2002-01-03) the whole document	1
X	DE 199 26 377 A (HENKEL KGAA) 14 December 2000 (2000-12-14) the whole document	1-29,37
X	EP 0 370 470 A (ESTEE LAUDER INC.) 30 May 1990 (1990-05-30) claims 1,9-12; example 3	1
X	EP 0 445 342 A (ESTEE LAUDER INC.) 11 September 1991 (1991-09-11) claims 1,15	1
		-/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority, claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

20 January 2003

29/01/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Glikman, J-F

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/FR 02/03252

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim N°.
X	US 5 188 639 A (T. SCHULTZ ET AL.) 23 February 1993 (1993-02-23) the whole document	1
X	US 5 356 438 A (C. KIM ET AL.) 18 October 1994 (1994-10-18) the whole document	1
X	WO 01 62759 A (WELLA AG) 30 August 2001 (2001-08-30) claim 1; example 5; table 1	1

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/FR 02/03252

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
DE 10029441	A	03-01-2002	DE	10029441 A1		03-01-2002
			AU	6753501 A		02-01-2002
			WO	0197765 A1		27-12-2001
DE 19926377	A	14-12-2000	DE	19926377 A1		14-12-2000
			AU	5810600 A		02-01-2001
			WO	0076466 A1		21-12-2000
EP 370470	A	30-05-1990	CA	2003346 A1		23-05-1990
			DE	68910477 D1		09-12-1993
			DE	68910477 T2		07-04-1994
			EP	0370470 A2		30-05-1990
			JP	2200612 A		08-08-1990
			US	5143723 A		01-09-1992
			US	5324506 A		28-06-1994
EP 445342	A	11-09-1991	US	5143723 A		01-09-1992
			CA	2013429 A1		05-09-1991
			DE	69006347 D1		10-03-1994
			DE	69006347 T2		11-05-1994
			EP	0445342 A1		11-09-1991
			HK	1001553 A1		26-06-1998
			JP	3258712 A		19-11-1991
			US	5324506 A		28-06-1994
US 5188639	A	23-02-1993	US	5094662 A		10-03-1992
US 5356438	A	18-10-1994	CN	1085422 A		20-04-1994
			FR	2696930 A1		22-04-1994
			JP	2056989 C		23-05-1996
			JP	6128128 A		10-05-1994
			JP	7080746 B		30-08-1995
			KR	9609640 B1		23-07-1996
WO 0162759	A	30-08-2001	AU	7207801 A		03-09-2001
			WO	0162759 A1		30-08-2001
			EP	1185531 A1		13-03-2002